

Wieserold, V.	ACME	Daily operations.	Computation	59,518
Wieserold, V.	ACME	System testing to make sure it meets old and new specifications.	Computation	3730 3720
Wieserold, V.	ACME	Demonstrations for visitors to ACME.	Computation	34,560
Wieserold, V.	ACME	Developing continuing system modeling program.	Computation	3740
Wieserold, V.	ACME	Usage statistics, accounting, and yearly reports.	Computation	3730 3720
Wieserold, V.	ACME	Editing the PL/ACME manual.	Computation	7,746

DEPARTMENT INSTITUTION	PROJECT TITLE	FIELD OF INVESTIGATION			COMPUTER EQUIPMENT (Faxes/minutes)
		Main Field	Sub-Category	Code	
INDIVIDUAL USER PROFILES					
Nagle, J.A.	Neurology	Movement patterns, limb displacement and velocity, and electromyography.	Psychomotor Learning	1716	C
Aronow, L.	Pharmacology	Laboratory data analysis related to anti-cancer drugs.	Cellular Pharmacology	1544	6,067
Atkinson, J.L.	Neurology	Mathematical formulation of the kinematic properties of muscle.	Neurophysiology	1716	34,129
Bacon, V.A.	Genetics	Operating quadrupole mass spectrometer.	Mass Spectrometry	3914	1,182
Baldwin, R.L.	Biochemistry	Characterization and helix of short DNA helices.	Biochemistry	1310	16,869
Bausek, G.	Radiology	Radiotherapeutic treatment of lymphomas.	Radiology	3750	50,235
Beard, R.R.	Preventive Medicine	Behavioral responses and influences of inhaling CO.	Air Pollution	4140	1,752
Bellville, J.W.	Anesthesia	Pharmacology of anesthetics and related agents.	Clinical Pharmacology	1563	E4
Bellville, J.W.	Anesthesia	Respiratory control mechanisms.	Anesthesia	1516	250,000
Bernfield, M.	Pediatrics	Pioneratology in birth defects.	Pediatrics	1310	25,250
Bremner, W.Z.	Genetics	Human white blood cell and population genetics.	Population Genetics and cytogenetics	1340	1,140,300
Boyle, J.	Clinic business office	Clinic patient billing.	Patient Billing	1499	2,250
Bryant, H.B.	Med Students	Data collection of glucocorticoid interaction results.	Physiology	2417	24,477

All departments are therefore critical starting values another institution. Therefore it is important to write all the use of each is oriented towards information collection, storage, retrieval, and information processing. Therefore it is important to write all the projects listed here fall into the §7-6 category to some extent.

West, T.	Med Student	Storing and searching biographic information.	Psychology	3720	1,027
Ridges, J.	Genetics IRL	Control of quadrupole mass spectrometer.	Mass Spectrometry	3914	15,098
Wright, R.	Neurology	Auditory pathway responses to acoustic stimuli.	Auditory Neurophysiology	1717	16,995
Brody, M.E.	Med Student	Med student history taking and formulation of differential diagnoses.	Student Education	4449	9,025
Brody, W.R.	Med Student	Information processing in sensory systems.	Biomedical Engineering	3919	34,862
Brown, B.M.	Med Student	Serum levels of therapeutic agents and analyzing essay data.	Drug Metabolism	1569 1349	29,616
Britttag, D.L.	Biochemistry	Computer applications to medical research.	Med Student Education	3610	8,492
Buchanan, B.	Genetics	Teaching medical students basic statistics.	Student Education	3610	15,704
Bunnerberg, E.	Chemistry	Analysis of mass spectra and spectropolarimeter spectra; routine chemical analysis.	Spectropolarimetry	1430	37,853
Butler, E.	Urology	Real-time measurements of dynamics of the urinary tract.	Urology	1714 3730	501,723
Cain, H.	Pediatrics	Frequencies of genes controlling human characters.	Population Genetics	2224	200,840
Clayton, R.B.	Psychiatry	Effects of steroids and hormones of RNA activity on the brain.	Psychiatry	2362	17,742
Collins, K.D.	Biochemistry	Compare model compounds with experimental spectra; analyze chromatograms; ultracentrifugation.	Bioc hemical Research	1210 2720	28,700
Conner, F.L.	Psychiatry	Relating neuroendocrine function to behavior.	Psychology	3200 1717 1730	10,657
Cooper, J.M.	Psychiatry	Biochemical correlation of neonatal sexual differentiation in rats.	Psychology	56	15,650
Faithfulness, G.T.	Palo Alto Medical Research Foundation	Routine use for clinical laboratory.	Bioc hemical Research Bioengineering and Physiology	1210 3420 3270	7,780

Deering, C.H.	Psychiatry	Education for research scientists on how to use AOM.	4449	51,788
Fangiers, R.W.	Pathology	Study of medical insurance utilization.	4250	24,228
McLaroc, G.	Nuclear Medicine	Using radioactive methods to assess regional distribution of ventilation and pulmonary blood flow.		
Doering, C.H.	Psychiatry	Storing and searching an author and subject index.		
Dong, E.	Pediatrics	Development of the enzyme system in the rat adrenal gland.		
Tong, E.	Cardiovascular Surgery	Random sampling of cells; statistical evaluations of data.		
Doherty, R.A.	Pediatrics	Effects of heart transplants; white cell correlations; pulmonary data collection.		
Duffield, A.M.	Chemistry	Develop a controller for an artificial heart.		
Turbridge, H.	Pathology	Analysis of mass spectra and spectrapolarimeter spectra; routine chemical analysis.		
Edwards, P.Y.	Med Student	Compute research statistics.		
Enlander, D. (3 Projects)	Pathology	Effects of hormones on the alpha rhythm and temporal perception.		
Fletcher, G.	Anesthesia	Filing and retrieving coded medical diagnoses.		
Folk, R.	Biochemistry	Research of acute ventillary insufficiency.		
Forrest, W.H. (2 Projects)	Anesthesia	Mitogens of E. coli, having altered activating enzymes.		
Fries, J.P.	Immunology	Develop quality and quantity control system for large masses of clinical data.		
		Clinical information about rheumatic diseases.		
		Clinical Medicine		
		Clinical Pharmacology		
		Clinical Record Retrieval		
		Respiratory Physiology;		
		Anesthesia		
		Psychiatry		
		Statistics		
		Spectropolarimetry		
		Cardiovascular Research		
		Developmental Biology		
		Steroid Hormone Metabolism.		
		Nuclear Medicine		
		Biochemistry		
		Medical Economics		
		Computer Education		
		Computer Education		

Arshiki, J.	Neurology	Develop linear model of electrophysiological data.	1717	148,350
Glasgow, A.B.	ENT Clinic	Collecting and processing ANS data; patient categorization.	1799 3720	4,280
Haines, J.	Pathology	Laser-microprobe element analysis.	2420	15,484
Mearon, L.	Neurology	Self-education; how to use computers in electrophysiological research.	1729	1,362
Oehlmann, C.B.	Med Student	Clinical cancer research record protocols; data analysis.	2750 3720	145,555
Poldstein, A.	Pharmacology	Drug-induced mouse activity.	1520 1530	17,908
Soldstein, M.	Pharmacology	Biochemical action of barbitals.	1520	3,862
Nuzzo, G.M.	Radiology	Survival curves of x-irradiated mammalian cells; output of planchet counter.	2220	4,974
Harrison, D.C.	Cardiology	On-line cardiac catheterization data analysis; recognizing abnormal EKG complexes.	1717 4224	292,677
Harris, R.F.	Med Student	Correlation between human emotions and their appraisals of their environment.	2442 3709	1,611
Reinikson, M.A.	Med Student	Evaluating liver blood flow with radioactive isotopes.	1715 1713	15,673
Herzenberg, L.A. (3 Projects)	Genetics	Collating multiple mouse immunoglobulin levels; store data and direct antiserum production.	2211	111,256
Till, F.J.	Psychiatry	Developing new techniques of psychological testing paranoid patients.	2227	18,183
Will, F.J.	Psychiatry	Interactive on-line psychological testing.	2412	57,545
Hodges, D.	Radiology	Motions of esophagus during normal and induced swallowing (on-line).	1711 1717	65,046

Wang, J.	Biochemistry	Reducing data from equilibrium dialysis.	4, 217
Wentz, J.	Genetics	Birthweight and IQ in relation to sex, parents, education, race, and income.	2334 2338 2389
Wong, C.	Genetics	Statistical analysis, floating, and sorting programs.	1, 218
Wortche, H.J.	Palo Alto Medi. Res. Inst.	Dynamics of the myocardium on open-chest canine preparations.	2410
Yee, M.J.	Med Student	Statistical tests on data from laboratory experiments.	2412
Zeng, R.Z.	Biochemistry	On-line kinetic measurement of fluorescence as a function of time-data acquisition and data reduction.	2410
Kakihara, R.	Psychiatry	Effects of alcohol on the CNS of rodents.	1210 1240
Zaglan, J.	Psychiatry	Relation of ANS response to attentional sets (thinking and environmental observation).	1210 1240
Fosher, G.	Psychiatry	Mating speed analysis in <i>Microtus</i> <i>pseudoleucurus</i> .	53, 247
Horan, L.B.	Psychiatry	Relationship of student test scores to other variables.	2410
Poante, S.L.	Univ. of Calif. San Francisco	Select recipients for renal homotransplantation; measure endocrinologic changes in transplant patients.	1210 1240
Szczepner, J.	Psychiatry	Biostatistical analysis of various psychologic data.	2410 2411
Priss, J.P.	Nuclear Medicine	Calculate plasma and blood volumes and red cell mass in patients receiving radiation.	101, 873
Priss, J.P.	Nuclear Medicine	Calculate results of a titer assay for the long-acting thyroid stimulator, and of radioactive iodine assay for TSH.	1730
Priss, J.P.	Endocrinology	18, 844	

McGinnis, John, Jr.,	Genetics Gynecology/Ostetrics	Genetics of <i>S. subtilis</i> . Relative potency and confidence limits for the total gonadotropic bioassay.	Genetics Bioassay	3399 3420	3,021 12,126
McJilton, L.	Genetics Psychiatry	Generate chemical structures on Sanders 720 display unit. Development of premature and full-term infants and maternal behavior	Chemistry Psychology	1240 3299	2,317 624
Leifer, R. P.	Pediatrics	Evaluate and process data obtained during biochemical assays.	Human Development	3420 1310	22,051
Levinthal, E. G.	Genetics TEL	Photointerpretation and enhancement.	Photointerpretation	3914	47
Liebes, S. J.	Genetics IRU	Relationship of mass spectroscopy to organic materials.	Mass Spectroscopy	3914	127,532
Lorenson, M. Y.	Pharmacology	Molecular mechanisms that control sheep-heart enzyme and carbohydrate metabolism.	Biochemistry; Pharmacology	1310 1320	27,522
Miettner, I. A.	Metabolic Research	Secretion and metabolism of adrenal hormones.	Ketabolic Research	1750 1344	105,526
Lomb, J. R.	Medical Microbiology	biochemical characterization of alkaline phosphatase of thymic lymphomas in mice.	Fluor Immunology and Virology	1750 1310	4,779
Iuzzatelli, L.	Pediatrics	Study family with a chromosomal mosaicism in 3 generations.	Cytogenetics	216	60,467
Han Pherson, L.	Psychiatry	Relationships between average evoked potential, expectancy waves, and EEG in humans.	Psychiatry	3457 3441	4,769
Merly, P. H.	Lipid Research	Relationship of metabolism to sodium transport.	Membrane Transport	1349	10,400
Nesel, E.	Pediatrics	Indicator dilution techniques for measuring pulmonary blood flow and lung transfer function.	Pediatric Cardiology	1713	50,856

McGinnis, J.	Pediatrics	Hemodynamics of congenital heart disease.	1712	45,978
Messel, J.	Pediatrics	On-line analysis of cardiac catheterization data.	3430	45,978
Metz, J.	Pediatrics	Store patient identification and diagnosis obtained during the course of illness.	1712	122,761
Miles, J.J.	Preventive Medicine	Biostatistical consulting to Stanford Medical Center.	3720	40,779
Jennings, J.M.	Speech and Hearing Sciences	Relationship of articulation and identification abilities of normal and speech defective children.	3610	145,113
Fall, J.L.	Dermatology	Effect of electron beam on mycosis fungoides.	4416	4
Bailey, M.J.	Immunology	Pathology of chronic skin disease.	1712	14,822
Noble, S.P.	Psychiatry	Effects of alcohol on CNS of rodents.	1739	20,602
Nye, A.H.	Medical Microbiology	Immunochemistry, statistical calculations and bibliography compilations.	1720	1,000
Payne, R.O.	Microbiology	Extending leukocyte and/or tissue antigen classification by serologic and genetic analysis.	2510	29,600
Pearson, M.L.	Microbiology	Complete normalization of immunoprecipitation profiles of viral RNA.	1510	1,000
Leverall, J.K.	Infectious Disease	Improvement of antibiotic sensitivity, dose and guidance in therapy.	140	125,177
Fortescue, R.W.	Microchemistry	Steady-state kinetics of aspartate transcarbamylase.	1310	65,845
Peterson, G.M.	Lipid Research	Relationship between glucose, insulin, and triglyceride kinetics and diabetes mellitus and arteriosclerosis.	4750	65,781

Leiberman, M.	Lipid in pregnancy	calculating theoretical curve displayed on a CRT, and comparing data on CRT.	1799 1349	Lipid Research	28, 514
Leighfield, R.E.	Lipid Research	On-line display procedure to determine physiological models of metabolic processes.	1799 1349	Lipid Research	7, 722
Leiman, A.	Anesthesia	Processing cardiac interval timing to monitor contractile state under varying loads and drugs.	1712 b 518	Anesthesia	C
Leighfield, R.E.	Genetics IRL	Text management to support engineering instrumentation.	18, 081	Genetics Instrumentation	2912
Leighfield, R.E.	Genetics IRL	Automation in mass spectrometer instrumentation systems.	3912	Genetics Instrumentation	1310 1320
Robertson, N.W.	Pediatrics	Urinary analysis; data on immunoglobulin concentration.	263, 243	Biochemistry	263, 243
Rosenberg, L.D.	Medical Microbiology	Levels of serum complement in mice of diverse pedigree.	1310	Immunology	2611
Rosenthal, M.	Speech Pathology	Speech and language pathology; normal speech perception.	279, 273	Speech and Language Pathology	3610
Ross, R.G.	Chemistry	Analysis of mass spectra and spectropolarimeter spectra; routine chemical analyses.	261, 272	Chemical Pathology	261, 272
Rotin, J.T.	Physiology	Inhibition of evoked responses and fast desynchronization during animal preganglionic emotional stimuli.	17, 741	Physiology	17, 741
Swiderski, A.M.	Pathology	Immunology of single cell; maturation and biology of tact cell.	14, 13	Immunology	14, 13
Swiderski, A.M.	Pathology	Measurement of cells by rapid colorimetry.	21, 20	Immunology	21, 20
Swiderski, A.M.	Pathology	Microscopic behavior of enzyme catalyzed reactions.	21, 21	Immunology	21, 21

Spofford, T.	Clinical Medicine Clinical research data indexing.	Clinical Medicine; Genetics	2300 3730
Stallings, J. A. (2 projects)	Genetics Medical facilities Planning.	Population Genetics Design of Stanford Medical Care Facilities.	139,889 1342
Smith, J. C.	Anesthesia	Medical Facilities Planning	456,222
Smith, K. C.	Anesthesia	Data file storage; statistical analyses.	1,240
Smith, L. C.	Anesthesia	Calculating cardiovascular data from normal patients.	1,513
Smith, L. C.	Anesthesia	Data file storage; statistical analyses.	3610
Smith, L. C.	Anesthesia	Anesthesia	2
Smith, L. C.	Anesthesia	Anesthesia	1712
Smith, L. C.	Anesthesia	Anesthesia	4518
Smith, L. C.	Anesthesia	Anesthesia;	34,740
Smith, L. C.	Anesthesia	Anesthesia	4518
Smith, L. C.	Anesthesia	Pediatric Respiration	1712
Smith, L. C.	Anesthesia	Pediatric Respiration	34,740
Smith, L. C.	Med Student	Social Psychology; Sociophysiology	2267 1796
Solomon, G.	Psychiatry	Relationship of stress and en- vironmental manipulation to immunity.	535
Stewart, L.	J. J. Jung Institute	Establish archive of physiological data about dreams and other in- concrete material. First, original, and systematic neurographic data also included.	1,712
Stillman, R.	Psychiatry	Interviewing and testing psychiatric patients.	1,712
Stillman, R. A. (2 projects)	Chemistry	Psychiatry, psychiatry	1,712
Stockert, E. S. D.	Medical Morphology	Analysis of mass spectra and spectrofluorimetric spectra; routine chemical analyses.	2,412 2,412
Stuyver, L.	Microchemistry	Genetics and Physiology of eukaryotes.	24,121
Stuyver, L.	Microchemistry	Medical Morphology	24,121
Stuyver, L.	Microchemistry	Physical Chemistry	24,121

Abdullah, S.	Genetics IRB	Capital equipment inventory.	Administration	14,271
Babu, S.	Medicine - U.I. Division	Analyzing gastric secretory function tests.	Clinical Research	4536 3720
Barber, J.	Dermatology	Biochemical control of collagen formation.	Dermatologic Biochemistry	2,385 754
Bhatnagar, V.	Urology	Structure of melanins; radioactive tracer techniques to detect and treat melanins.	Dermatology	1715 2449 2726 1729
Bickner, S.	Palo Alto Medical Research Foundation	Spectral analysis of cardiac murmurs; correlating onset and sites with instantaneous flow rate (on-line).	Cardiology	1712 2743 3914
Brudel, J.E.	Chemistry	Interpreting mass spectrometry.	Mass Spectroscopy	4565 3614
Cekes, T.	Genetics IRB	Computer system to control mass spectrometer - GLC apparatus; data analysis.	Mass Spectrometer Control Systems	7,156 3048
Jurick, J.J.	Neurology	Analyzing continuous EGI for averaged evoked response (on-line).	EEG	2,377 2,301
Leiberman, L.I.	Radiology	Statistical analysis and data handling.	Medical Radiology	1,142 1,142
Wittner, G.	Anesthesia	Spectral analysis of blood pressure sounds.	Diagnostic Radiology	1,142 1,142
Wittner, G.	Anesthesia	Establishing anesthesia staff call schedule.	Intensive Care	1,142 1,142
Zalman, A.	Med Student	Teaching medicine effectiveness.	Medical Education	1,142 1,142
Wittner, G.	Psychiatry	Influence of correctly and incorrectly guessed visual patterns on visual evoked response.	Psychiatry	2,447
Wittner, G.	Radiology	Radiation dosimetry.	Radiology	56,402 56,402

•••••, •••	Radiotherapy	Classify and retrieve patient data from the tumor registration.	Radiation Therapy	\$750 3720	\$7,820
•••••, •••	Radiotherapy	Correlating drug responsiveness in cancer patients.	Cancer Therapy	\$750 1569	71,437
Yenerable, •••	Biochemistry	Electronic energy transfer; structure of macromolecules; protein structure and function.	Physical Biochemistry	\$60 2,003	
Zackheim, •••	Dermatology	Determination of serum copper and ceruloplasmin levels in psoriasis patients.	Dermatology	1799	0
Zwick, J.L.	Biochemistry	Theoretical techniques for solving protein crystal structures.	Biochemistry	1310 8,795	

ACME
Rental Equipment

ACCOUNT DISTRIBUTION
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09 C-KKG040-32535
1C C-KKG041-32535
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ESTATE PLANNING AND INVESTMENT STRATEGIES 163

ACCOUNT	DISTRIBUTION	AMOUNT
100-15	ACCT# 9-KGG41-92635 *-TICKET-FILE	263.21 248.30

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2

LIST OF ACME TERMINALS ON HAND 04/30/69

QTY	TYPE-SERIAL	DESCRIPTION	MODEL NO.	LOCATION	AGREED SHPMNT/ REMOVAL DATE	RENTAL START DATE	RENTAL STOP DATE	MONTHLY RATE	E/A	GROSS RENTAL	EDUCATION ALLOWANCE	TAX	NET RENTAL AFTER TAX
01	2741-10477	COMM. TERM.		GENETICS	12/30/66	12/13/66		30	103.50	20	103.50	20.70	4.14
01	2741-10490	COMM. TERM.		ACME	12/30/66	12/13/66		30	103.50	20	103.50	20.70	4.14
01	2741-10508	COMM. TERM.		ACME	12/30/66	12/13/66		30	103.50	20	103.50	20.70	4.14
01	2741-12847	COMM. TERM.		ACME	11/15/67	05/01/68		30	108.50	20	108.50	21.70	4.34
01	2741-12849	COMM. TERM.		FLEISCHMAN	11/09/67	05/01/68		30	108.50	20	108.50	21.70	4.34
01	2741-12853	COMM. TERM.		PHARMA	11/09/67	05/01/68		30	108.50	20	108.50	21.70	4.34
01	2741-12856	COMM. TERM.		ACME	11/13/67	05/01/68		30	108.50	20	108.50	21.70	4.34
01	2741-12858	COMM. TERM.		FLEISCHMAN	11/09/67	05/01/68		30	108.50	20	108.50	21.70	4.34
01	2741-12883	COMM. TERM.		ACME	10/05/67	10/06/67		30	103.50	20	103.50	20.70	4.14
01	2741-14382	COMM. TERM.			05/09/68	05/10/68		30	103.50	20	103.50	20.70	4.14

RESOURCE EQUIPMENT LIST -- PURCHASED

Period Covered 8/1/67 - 7/31/69
Accept. Acceptance of 270 X/Y. 1826

EQUIPMENT LOCATED IN MAIN RESOURCE AREA
(Updated)

Description / Identification	Equipment			Cost		
	Manufacturer	Model No.	Date Installed	Purchase Price	Annual Rental	Source of Funds
1800 System						
Process Controller	IBM	1801		76,694.		Other Fed. Agency
Printer Keyboard Enclosure	"	1816		2,438.		"
Analog Input Terminal	"	1828		333.		"
Analog Output Terminal	"	1851		2,908.		"
Data Adapter Unit	"	1856		6,540.		"
Card Read Punch	"	1826		7,752.		SRR
Card Punch	"	1442		2,671		SRR
5 Data Sets		029		696.		SRR
Digital Display Oscilloscope	Westinghouse Electric	103A2		2,322. (1)		SRR "
Pulse Generator	ACME					Other Govt. Agency
Data Transmission Device	Hewlett Packard E. H. Research Labs	139E		1,500.		"
	IBM	270 X/Y	12/14/67	4/15/69	75,500	52,086. SRR (2) Other
						22,414. Fed. Agency

(1) Fabricated and assembled by ACME staff.
(2) \$50,600 accrued in Grant Year C1.

ACME Note

CIV

Gra. Wiederhold

April 30, 1969

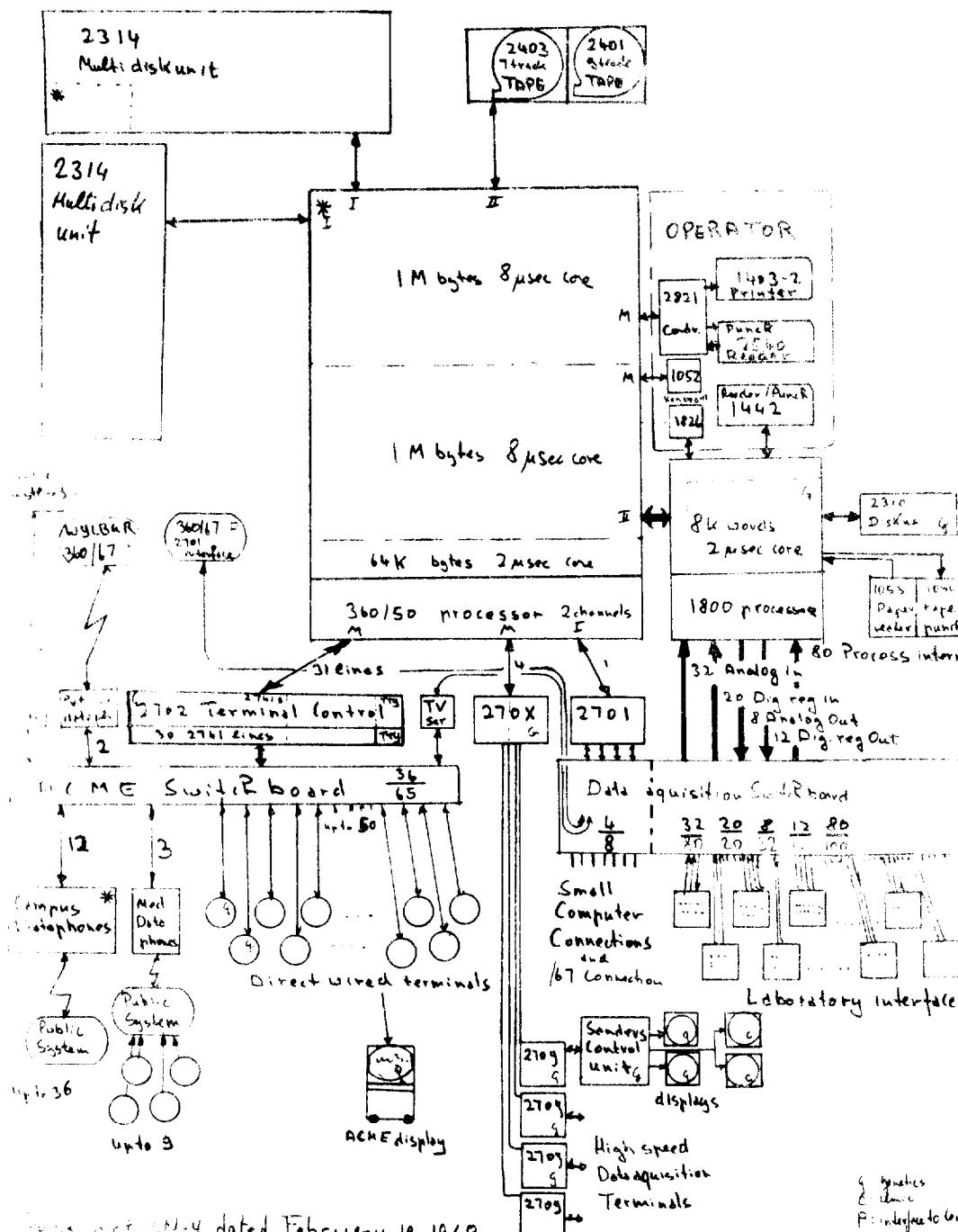
Configuration of Machine

Diagram ref. 11-4 dated February 19, 1968.
+ Staff/AII

RESOURCE EQUIPMENT LIST

Period Covered 8/1/67 - 7/31/71

EQUIPMENT LOCATED OUTSIDE THE MAIN RESOURCE AREA

Equipment						Cost		
Description/ Identification	Manufac- turer	Type	Model No.	Date In- stalled	Date Accepted	Purchase Price	Annual Rental	Source of funds

ACME Note

Papers Written by ACME Users

APRIL 2
Voy Wiederhold
May 15, 1969

This list contains papers voluntarily reported to ACME.

Bagshaw, Malcolm A., M.D., Harold M. Schneiderman, M.D., Eugene M. Farber, M.B., and Henry S. Kaplan, M.D., "Electron Beam Therapy of Mycosis Fungoides," CALIFORNIA MEDICINE, 95:292-297, Nov. 1961.

Balikian, H., A. Brodie, S. Willoughby, A.J. Dowdy, G.W. Nokes, M.H. Weinberger, and J.A. Luetscher, "Response of Plasma Aldosterone Concentration in Hypertensive Patients to Changes in Posture and Sodium Intake," CLIN. RES., vol. 17, in press.

Beatrice, E. S., I. Harding-Barlow, and D. Glick, "Electric Spark Cross-Extinguishment Laser Microprobe-Emission Spectroscopy for Samples of 10-25 Micron Diameter," APPLIED SPECTROSCOPY, 1969.

Beatrice, E.S., and D. Glick, "A Direct Reading Polychromator for Emission Spectroscopy," APPLIED SPECTROSCOPY, 1969.

Bellville, J.W., J.H. Green, and W.H. Forrest, Jr., "Respiratory Effects of Etomide and Codeine," CLIN. PHARM. THERAP., vol. 9, pp. 142-151, 1968.

Bellville, J.W., and W.H. Forrest Jr., "Respiratory and Subjective Effects of d and l Pentazocine," CLIN. PHARM. THERAP., vol. 9, pp. 142-151, 1968.

Bellville, J.W., and J. Seed, "A Comparison of the Respiratory Effects of Dextropropoxyphene and Codeine in Man," CLIN. PHARM. THERAP., vol. 9, pp. 428-434, 1968.

Bellville, J.W., W.H. Forrest Jr., J. Stevens, and E.G. Beer, "The Hypnotic Effects of Ethchlorvynol and Secobarbital in Man," CLIN. PHARM. THERAP., vol. 9, pp. 625-530, 1968.

Bellville, J.W., L. Escarraga, S. Wallenstein, and R. Houd "The Respiratory Effects of Codeine and Morphine in Man," CLIN. PHARM. THERAP., vol. 9, pp. 435-441, 1968.

Bellville, J.W., G. Fleischli, and J.G. Defares, "Respiratory Responses to Varying CO₂ Inhalation," COMPUTERS AND BIOMEDICAL RESEARCH, submitted for publication

Bellville, J.W., G. Fleischli, and G. Attura, "Servo Control of Inhaled Carbon Dioxide," J. APPL. PHYSIOL., vol. 24, pp. 414-415, 1968.

Breitbard, Gary Y., and Gio Wiederhold, "PL/ACME: An Incremental Compiler for a Subset of PL/I," IFIP68 CONGRESS PROCEEDINGS, Edinburgh, Scotland, August 1968.

Butler, E., "Dynamics of the Urinary Tract," JOURNAL OF INVESTIGATIVE UROLOGY, in preparation.

Clayton, R.B., METHODS OF ENZYMOLOGY, STEROLS AND STEROIDS, vol. XV, Academic Press, in preparation.

Collins, K.U., and G.R. Stark, "Aspartate Transcarbamylase: Studies of the Catalytic Subunit by Ultraviolet Difference Spectroscopy," J. BIOL. CHEM., Feb. 1969.

Crouse, Linda, and Gio Wiederhold, "An Advanced Computer System for Real Time Medical Applications," COMPUTERS AND BIOMEDICAL RESEARCH, to be published about June 1969.

Doering, C.H., "Cholesterol Side Chain Cleavage Activity in the Adrenal Gland of the Young Rat: Development and Responsiveness to Adrenal Cortical Tropic Hormone," ENDOCRINOLOGY, in preparation.

- Englund, P.T., J.A. Huberman, T.M. Jovin, and A. Kornberg, "Enzymatic Synthesis of Deoxyribonucleic Acid, XXX. Binding of Triphosphates to DNA Polymerase," submitted to J. BIOL. CHEM., 1969.
- Farber, Eugene M., and Richard P. McClintock, Jr., M.D., "A Current Review of Psoriasis," MEDICAL PROGRESS, 108:440-457, June 1968.
- Farber, Eugene M., M.D., and Alvin J. Cox, M.D., "The Biology of Psoriasis," J. OF INVESTIGATIVE DERMATOLOGY, vol. 49, no. 4, pp. 348-357, 1967.
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SUMMARY OF RESOURCE EXPENDITURES

	Total Resource Expenditures				SBR Support		
	Actual Previous Budget Period	Current Budget Period	Estimate Next Budget Period	Actual Previous Budget Period	Current Budget Period	Estimate Next Budget Period	
1. Personnel:							
a. Salaries & Wages	182,667.	174,767.	232,990.	171,127.	163,474.	232,990.	
b. Fringe Benefits	18,915.	20,587.	28,522.	17,703.	19,287.	28,522.	
Subtotal	201,582.	195,354.	261,512.	188,830.	182,761.	261,512.	
2. Consultant Services		500.	1,000.		500.	1,000.	
3. Equipment:							
a. Main Resource-Rented	313,770.	362,190.	386,937.	220,751.	303,796.	386,937.	
b. Main Resource-Purchased			29,167.			29,167.	
c. Supporting Equipment							
Subtotal	313,770.	362,190.	416,104.	220,751.	303,796.	416,104.	
4. Supplies	32,656.	26,896.	35,000.	32,656.	25,957.	35,000.	
5. Travel	4,214.	3,620.	5,000.	4,214.	3,520.	5,000.	
6. Alterations & Renovations	35.			35.			
7. Publication Costs	3,505.	4,418.	6,000.	3,505.	4,418.	6,000.	
8. Other:							
a. Computer time	10,000.	5,000.	10,000.	10,000.	5,000.	10,000.	
b. Other	19,400.	11,991.	12,250.	12,469.	11,767.	12,250.	
Subtotal	29,400.	16,991.	22,250.	22,469.	16,767.	22,250.	
9. Indirect - Direct Costs	585,162.	609,969.	746,866.	472,460.	537,719.	746,866.	
10. Indirect Costs:							
a. % of Salaries							
b. % Direct	98,529.	108,509.	149,062.	94,492.	103,704.	149,062.	
11. Total Costs	683,691.	718,478.	895,928.	566,952.	641,423.	895,928.	

Grant No. FRC001120

Section III-B

SUMMARY OF RESOURCE FUNDING

BUDGET PERIODS		
Actual Previous Budget Period	Current Budget Period	Estimated Budget Period
570,984.	559,562.	692,218.
	10,000.	
	20,195.	
570,984.	569,757	692,218.
11,572.		
105,167.	65,114.	
	{ 31,748 ⁽¹⁾ 11,859 ⁽²⁾	
	20,000.	60,000.
687,723.	718,478.	752,218.

(1) To SCC-ACME (SRR Grant)
(2) To SCC Campus Facility

EXPENDITURE DETAILS

Direct Costs Only

	Current Budget Period				Estimate for Next Budget Period			
	TOTAL	SRR	TOTAL	SRR				
% of Time or Effort	Amount	% of Salary From SRR Grant	Amount	% of Time or Effort	Amount	% of Salary From SRR Grant	Amount	
<u>PERSONNEL:</u>								
Programmer start Bassett, R. Sept.	50	\$ 4,125.	100	\$ 4,125.	100	\$10,000.	100	
Programmer Breitbard, G.	100	13,675.	100	13,675.	100	15,400.	100	
Programmer Clegg, L.	100	11,400.	100	11,400.	100	12,750.	100	
Programmer Crayins, D. 9 mos.	100	10,987.	100	10,987.	100	14,750.	100	
Programmer Aug. Curtis, C. R. Apr.	100	9,450.	56	5,250.	100	13,750.	100	
Programmer Enders, W. 11 mos.	100	13,108.	100	13,108.	100	15,200.	100	
Programmer Miller, G.	--	---	--	---	20	2,520.	100	
Programmer Mikloska, D.	hourly	2,213.	100	2,213.				
Programmer Parsons, K.	hourly	689.	100	689.	50	6,000.	100	
Programmer Paniari, C.	hourly	2,224.	100	2,224.				
Programmer Price, R.	hourly	1,670.	35	577.	50(9mo.)	2,475.	100	
Programmer Rajad, S.	hourly	554.	100	554.				
Engineer Alts, K.	100	13,500.	100	13,500.	100	14,500.	100	
Engineer May-Burley, L. July	100	4,046.	100	4,046.	100	16,700.	100	
Data Manager Micaldi, S.	--	---	--	---	100	11,500.	100	
Education McEvin, J.	on demand	2,425.	100	2,425.	30	4,200.	100	
Education McFie, V.	on demand	575.	100	575.	30	4,200.	100	
Statistician Schuch, E.	Aug. part.	511.	100	511.				
Statistician	--	--	--	--	100	12,000.	100	
Consultant Sanders, G.	hourly	839.	100	839.				
Technician term. Curtis, G. Mar.	100	3,537.	100	3,537.	100	6,250.	100	
Technician Gutierrez, D.	100	6,430.	100	6,430.	100	7,200.	100	